

I.D. #

I.D. No. _____

Plant Name: _____

Source I.D.: _____

TREATMENT PLANT CAPACITY EVALUATION

Total Number of Conn. Served: _____

System Maximum Daily Demand (MDD): _____

Min. Req'd Cap.: 0.6 GPM/Conn. X _____^{A} Conn. = _____ GPM
= _____ MGD^{B}

Raw Water Pump Capacity

Number and Sizes: _____

Total Capacity: _____ GPM = _____ MGD^{C}

Cap. w/o largest unit: _____ GPM = _____ MGD^{D}

Adeq. Raw Water Pump Cap.? (Is {D} ≥ {B}?) [.45(b)(2)(A) & (c)(2)(A)].....

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Sedimentation Basin Capacity Solids Contact _____ Straight-Flow _____

Number and Dimensions: _____

Total Volume: _____ Gal.

Req'd Detention Time (min.): 120, 270, 360 or Other _____ (Note: Circle One)

Max. Cap.: _____ Gal. / _____ min. = _____ GPM
= _____ MGD^{E}

Transfer Pump Capacity

Number and Sizes: _____

Total Capacity: _____ GPM = _____ MGD^{F}

Cap. w/o largest unit: _____ GPM = _____ MGD^{G}

Adeq. Transfer Pump Cap.? (Is {G} ≥ {B}?) [.45(b)(2)(C) & (c)(2)(C)].....

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Filter Capacity Pressure _____ Gravity _____

Number and Dimensions: _____

Total Area: _____ ft²

Media Type: Sand, Dual, Mixed or Other _____ (Note: Circle One)

Maximum Filter Rate (GPM/ft²): 2, 5 or Other _____ (Note: Circle One)

Max. Capacity: _____ ft² X _____ GPM/ft² = _____ GPM
= _____ MGD^{H}

Miscellaneous (Other Capacity Restrictions)

Description: _____

Max. Capacity: _____ GPM = _____ MGD^{I}

Treatment Plant Capacity

Normal Rated Design Flow: _____ MGD

(Note: Smaller of {C}, {E}, {F}, {H} or {I} above) ^{J}

Limiting Component?: _____

Treatment Plant Cap. Exceeds Min. Req'd Cap.? (Is {J} ≥ {B}?) [.45(b)(2)(B) & (c)(2)(B)].....

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Treatment Plant Cap. Exceeds MDD? (Is {J} > {A}?) [.42(a)].....

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Clearwell Capacity

Total Volume: _____ Gal. = _____ MG

0.05 X _____ MG = _____ MG^{K}

(5%) (Normal Rated Design Flow, {J} above) ^{L}

(Note: Min. Clearwell Cap. for Transient NC System is 1000 Gal.)

Adequate Clearwell Capacity? (Is {K} ≥ {L}?) [.45(b)(2)(D)].....

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